GenCore version 5.1.3

OM protein - nucleic search, using frame_plus_p2n model

Run on: January 16, 2003, 16:59:22 ; Search time 14.5714 Seconds
(without alignments)
89.447 Million cell updates/sec

Title: US-09-856-070-19
Perfect score: 65
Sequence: 1 KEELMERIQDYFF 13

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Dolop 6.0 , Dolext 7.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-DB=Issued_Patents_NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-NO_XLPXY -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -LONGLOG -DEV_TIMEOUT=120
-WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued_Patents_NA:*
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3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	39	60.0	1068	5	PCT-US91-00899-13	Sequence 13, Appl
2	39	60.0	1215	5	PCT-US91-00899-5	Sequence 5, Appli
3	39	60.0	1488	1	US-07-914-281-9	Sequence 9, Appli
4	39	60.0	1488	1	US-08-394-246-9	Sequence 9, Appli
5	39	60.0	1488	1	US-08-525-058A-9	Sequence 9, Appli
6	39	60.0	1488	2	US-08-696-731-9	Sequence 9, Appli
7	39	60.0	1488	4	US-09-042-531-9	Sequence 9, Appli
8	39	60.0	2134	2	US-08-483-151-3	Sequence 3, Appli
9	39	60.0	2134	5	PCT-US96-06427-3	Sequence 3, Appli
10	39	60.0	2175	4	US-08-482-073-9	Sequence 9, Appli
11	39	60.0	2861	4	US-08-482-073-10	Sequence 10, Appl
12	39	60.0	3627	4	US-09-323-873A-6	Sequence 6, Appli
13	39	60.0	3647	1	US-07-914-281-7	Sequence 7, Appli
14	39	60.0	3647	1	US-08-394-246-7	Sequence 7, Appli
15	39	60.0	3647	1	US-08-525-058A-7	Sequence 7, Appli
16	39	60.0	3647	2	US-08-696-731-7	Sequence 7, Appli
17	39	60.0	3647	4	US-09-042-531-7	Sequence 7, Appli
18	39	60.0	3647	5	PCT-US91-00899-4	Sequence 4, Appli
19	38	58.5	1134	4	US-09-206-059-29	Sequence 29, Appl
20	38	58.5	2313	4	US-09-370-838-157	Sequence 157, App
21	38	58.5	2497	1	US-08-643-219-12	Sequence 12, Appl
22	38	58.5	2497	2	US-09-131-995-12	Sequence 12, Appl
23	38	58.5	2497	2	US-08-832-087B-12	Sequence 12, Appl
24	38	58.5	2497	3	US-08-851-350-12	Sequence 12, Appl
25	38	58.5	2497	4	US-09-132-154-12	Sequence 12, Appl
26	38	58.5	2679	6	5200440-7	Patent No. 5200440
27	38	58.5	2753	1	US-07-854-603-1	Sequence 1, Appli
28	38	58.5	22306	4	US-09-453-702B-251	Sequence 251, App
29	38	58.5	46819	4	US-09-453-702B-72	Sequence 72, Appl
30	37	56.9	1960	4	US-09-513-057C-12	Sequence 12, Appl
31	37	56.9	3617	4	US-09-513-057C-14	Sequence 14, Appl
32	36.5	56.2	1650	1	US-08-354-240A-1	Sequence 1, Appli
33	36.5	56.2	1650	1	US-08-354-240A-3	Sequence 3, Appli
34	36.5	56.2	1653	1	US-08-354-240A-5	Sequence 5, Appli
35	36.5	56.2	1656	3	US-09-111-752-6	Sequence 6, Appli
36	36.5	56.2	1656	3	US-09-111-752-9	Sequence 9, Appli
37	36.5	56.2	1722	3	US-08-718-425-1	Sequence 1, Appli
38	36.5	56.2	1722	4	US-09-380-061B-1	Sequence 1, Appli
39	36.5	56.2	1725	4	US-09-380-061B-19	Sequence 19, Appl
40	36.5	56.2	1798	4	US-09-446-402A-16	Sequence 16, Appl
41	36.5	56.2	1811	3	US-08-867-352-22	Sequence 22, Appl
42	36.5	56.2	1838	4	US-08-487-183A-9	Sequence 9, Appli
43	36.5	56.2	2445	1	US-08-122-520C-8	Sequence 8, Appli
44	36.5	56.2	4544	4	US-09-488-270A-1	Sequence 1, Appli
45	36.5	56.2	5157	2	US-08-474-169-7	Sequence 7, Appli

ALIGNMENTS

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RESULT 1
PCT-US91-00899-13
; Sequence 13, Application PC/TUS9100899
; GENERAL INFORMATION:
;   APPLICANT: Lowe, John B.
;   TITLE OF INVENTION, Method and Products For the Synthesis of
;   TITLE OF INVENTION: Oligosaccharide Structures on Glycoproteins, Glycolipids,
;   TITLE OF INVENTION: or as Free Molecules, and For the Isolation of Cloned
;   TITLE OF INVENTION: Genetic Sequences That Determine These Structur
;   NUMBER OF SEQUENCES, 16
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;     ADDRESSEE: P.C.
;     STREET: 1755 Jefferson Davis Highway,, Suite 400
;     CITY: Arlington
;     STATE: Virginia
;     ZIP: 22202
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: PCT/US91/00899
;     FILING DATE: 19910214
;     CLASSIFICATION: 435
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Lavalleye Ph.D., Jean Paul
;     REGISTRATION NUMBER: 31,451
;     REFERENCE/DOCKET NUMBER: 2363-021-55 PCT
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE. (703)521-5940
;     TELEFAX: (703)486-2347
;     TELEX: 248855 OPAT UR
;  INFORMATION FOR SEQ ID NO: 13:
;   SEQUENCE CHARACTERISTICS:
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;       LENGTH:  1068 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  double
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
;     HYPOTHETICAL:  NO
PCT-US91-00899-13

Alignment Scores:
Pred. No.:                  30.1          Length:          1068
Score:                      39.00         Matches:            8
Percent Similarity:         83.33%        Conservative.       2
Best Local Similarity:      66.67%        Mismatches:         2
Query Match:                60.00%        Indels:             0
DB:                         5             Gaps:               0

US-09-856-070-19 (1-13) x PCT-US91-00899-13 (1-1068)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
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Db     259 CACCAGCTGCATCTGCGCCTGTTGCACTACCACCAC 294

RESULT 2
PCT-US91-00899-5
; Sequence 5, Application PC/TUS91100899
;  GENERAL INFORMATION:
;     APPLICANT:  Lowe, John B.
;     TITLE OF INVENTION:  Method and Products For the Synthesis of
;     TITLE OF INVENTION:  Oligosaccharide Structures on Glycoproteins, Glycolipids,
;     TITLE OF INVENTION:  or as Free Molecules, and For the Isolation of Cloned
;     TITLE OF INVENTION:  Genetic Sequences That Determine These Structur
;     NUMBER OF SEQUENCES:  16
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;       ADDRESSEE:  P.C.
;       STREET:  1755 Jefferson Davis Highway, Suite 400
;       CITY:  Arlington
;       STATE:  Virginia
;       ZIP:  22202
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US91/00899
;       FILING DATE:  19910214
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lavalleye Ph.D., Jean Paul
;       REGISTRATION NUMBER:  31,451
;       REFERENCE/DOCKET NUMBER:  2363-021-55 PCT
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703)521-5940
;       TELEFAX:  (703)486-2347
;       TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1215 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
PCT-US91-00899-5

Alignment Scores:
Pred. No.:                  45.1          Length:          1215
Score:                      39.00         Matches:            8
Percent Similarity:         83.33%        Conservative:       2
Best Local Similarity:      66.67%        Mismatches:         2
Query Match:                60.00%        Indels:             0
DB:                         5             Gaps:               0

US-09-856-070-19 (1-13) x PCT-US91-00899-5 (1-1215)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
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Db     406 GAGGAGCTGCATCTGCGCCTGTTGCACTACCAGGAG 441

RESULT 3
US-07-914-281-9
; Sequence 9, Application US/07914281
; Patent No. 5324663
;  GENERAL INFORMATION:
;     APPLICANT:  LOWE, JOHN B.
;     TITLE OF INVENTION:  METHODS AND PRODUCTS FOR THE SYNTHESIS
;     TITLE OF INVENTION:  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;     TITLE OF INVENTION:  GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;     TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
;     NUMBER OF SEQUENCES:  14
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;       ADDRESSEE:  P.C.
;       STREET:  1755 Jefferson Davis Highway, Fourth Floor
;       CITY:  Arlington
;       STATE:  Virginia
;       COUNTRY:  U.S.A.
;       ZIP:  22202
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/914,281
;       FILING DATE:  19920720
;       CLASSIFICATION:  530
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lavalleye, Jean-Paul M. P.
;       REGISTRATION NUMBER:  31,451
;       REFERENCE/DOCKET NUMBER:  2363-060-55
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703)521-4500
;       TELEFAX:  (703)486-2347
;       TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  9:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1488 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
US-07-914-281-9

Alignment Scores:
Pred. No.:                  44.8          Length:          1488
Score:                      39.00         Matches:            8
Percent Similarity:         83.33%        Conservative:       2
Best Local Similarity:      66.67%        Mismatches:         2
Query Match:                60.00%        Indels:             0
DB:                         1             Gaps:               0

US-09-856-070-19 (1-13) x US-07-914-281-9 (1-1488)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
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Db     679 GAGGAGCTGCATCTGCGCCTGTTGCACTACCAGGAG 714

RESULT 4
US-08-393-246-9
; Sequence 9, Application US/08393246
; Patent No. 5595900
;  GENERAL INFORMATION:
;     APPLICANT:  LOWE, JOHN B.
;     TITLE OF INVENTION:  METHODS AND PRODUCTS FOR THE SYNTHESIS
;     TITLE OF INVENTION:  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
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```
;    TITLE OF INVENTION:  GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;    TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 Jefferson Davis Highway, Fourth Floor
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/393,246
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/220,433
;      FILING DATE:  30-MAR-1994
;      APPLICATION NUMBER:  US 07/914,281
;      FILING DATE:  20-JUL-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lavalleye, Jean-Paul M. P.
;      REGISTRATION NUMBER:  31,451
;      REFERENCE/DOCKET NUMBER:  2363-060-55
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)521-4500
;      TELEFAX:  (703)486-2347
;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1488 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-393-246-9

Alignment Scores:
Pred. No.:                44.8          Length:          1488
Score:                    39.00         Matches:         8
Percent Similarity:       83.33%        Conservative:    2
Best Local Similarity:    66.67%        Mismatches:      2
Query Match:              60.00%        Indels:          0
DB:                       1             Gaps:            0

US-09-856-070-19 (1-13) x US-08-393-246-9 (1-1488)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
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Db     679 GAGGAGGTGGATGTGCCCGTGTTGGACTACGAGGAG 714

RESULT 5
US-08-525-058A-9
; Sequence 9, Application US/08525058A
; Patent No. 5770420
;  GENERAL INFORMATION:
;    APPLICANT:  LOWE, JOHN B.
;    TITLE OF INVENTION:  METHODS AND PRODUCTS FOR THE SYNTHESIS
;    TITLE OF INVENTION:  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;    TITLE OF INVENTION:  GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;    TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
;      STREET:  1755 Jefferson Davis Highway, Fourth Floor
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/525,058A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lavalleye, Jean-Paul M. P.
;      REGISTRATION NUMBER:  31,451
;      REFERENCE/DOCKET NUMBER:  2363-060-55
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)521-4500
;      TELEFAX:  (703)486-2347
;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1488 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-525-058A-9

Alignment Scores:
Pred. No.:                44.8          Length:          1488
Score:                    39.00         Matches:         8
Percent Similarity:       83.33%        Conservative:    2
Best Local Similarity:    66.67%        Mismatches:      2
Query Match:              60.00%        Indels:          0
DB:                       1             Gaps:            0

US-09-856-070-19 (1-13) x US-08-525-058A-9 (1-1488)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           ||||||:::  ||||||:::  ||||||||||||
Db     679 GAGGAGGTGGATGTGCCCGTGTTGGACTACGAGGAG 714

RESULT 6
US-08-696-731-9
; Sequence 9, Application US/08696731
; Patent No. 5955347
;  GENERAL INFORMATION:
;    APPLICANT:  LOWE, JOHN B.
;    TITLE OF INVENTION:  METHODS AND PRODUCTS FOR THE SYNTHESIS
;    TITLE OF INVENTION:  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;    TITLE OF INVENTION:  GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;    TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 Jefferson Davis Highway, Fourth Floor
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/696,731
;      FILING DATE:  14-AUG-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/393,246
;      FILING DATE:
;      APPLICATION NUMBER:  US 08/220,433
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;       FILING DATE:  30-MAR-1994
;       APPLICATION NUMBER:  US 07/914,281
;       FILING DATE:  20-JUL-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lavalleye, Jean-Paul M. P.
;       REGISTRATION NUMBER:  31,451
;       REFERENCE/DOCKET NUMBER:  2363-060-55
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703)521-4500
;       TELEFAX:  (703)486-2347
;       TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  9:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1488 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
US-08-696-731-9

Alignment Scores:
Pred. No.:                44.8          Length:          1488
Score:                    39.00         Matches:         8
Percent Similarity:       83.33%        Conservative:    2
Best Local Similarity:    66.67%        Mismatches:      2
Query Match:              60.00%        Indels:          0
DB:                       2             Gaps:            0

US-09-856-070-19 (1-13) x US-08-696-731-9 (1-1488)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           ||||||:::  |||||||:::  |||||||||||
Db     679 GAGGAGGTGGATCTGCGCCTGTTGGACTACGAGGAG 714

RESULT 7
US-09-042-531-9
; Sequence 9, Application US/09042531
; Patent No. 6268193
;  GENERAL INFORMATION:
;     APPLICANT:  LOWE, JOHN B.
;     TITLE OF INVENTION:  METHODS AND PRODUCTS FOR THE SYNTHESIS
;     TITLE OF INVENTION:  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;     TITLE OF INVENTION:  GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;     TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
;     NUMBER OF SEQUENCES:  14
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;       ADDRESSEE:  P.C.
;       STREET:  1755 Jefferson Davis Highway, Fourth Floor
;       CITY:  Arlington
;       STATE:  Virginia
;       COUNTRY:  U.S.A.
;       ZIP:  22202
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/042,531
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/393,246
;       FILING DATE:
;       APPLICATION NUMBER:  US 08/220,433
;       FILING DATE:  30-MAR-1994
;       APPLICATION NUMBER:  US 07/914,281
;       FILING DATE:  20-JUL-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lavalleye, Jean-Paul M. P.
;       REGISTRATION NUMBER:  31,451
;       REFERENCE/DOCKET NUMBER:  2363-060-55
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703)521-4500
;       TELEFAX:  (703)486-2347
;       TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  9:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  1488 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
US-09-042-531-9

Alignment Scores:
Pred. No.:                44.8          Length:          1488
Score:                    39.00         Matches:         8
Percent Similarity:       83.33%        Conservative:    2
Best Local Similarity:    66.67%        Mismatches:      2
Query Match:              60.00%        Indels:          0
DB:                       4             Gaps:            0

US-09-856-070-19 (1-13) x US-09-042-531-9 (1-1488)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           ||||||:::  |||||||:::  |||||||||||
Db     679 GAGGAGGTGGATCTGCGCCTGTTGGACTACGAGGAG 714

RESULT 8
US-08-483-151-3
; Sequence 3, Application US/08483151
; Patent No. 5858752
;  GENERAL INFORMATION:
;     APPLICANT:  Seed, Brian
;     APPLICANT:  Holgersson, Jan
;     TITLE OF INVENTION:  FUCOSYLTRANSFERASE GENES AND USES THEREOF
;     NUMBER OF SEQUENCES:  4
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Fish & Richardson P.C.
;       STREET:  225 Franklin Street
;       CITY:  Boston
;       STATE:  MA
;       COUNTRY:  USA
;       ZIP:  02110-2804
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/483,151
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  530
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lech, Karen F.
;       REGISTRATION NUMBER:  35,238
;       REFERENCE/DOCKET NUMBER:  00786/278001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  617/542-5070
;       TELEFAX:  617/542-8906
;       TELEX:  200154
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  2134 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
US-08-483-151-3

Alignment Scores:
Pred. No.:                68.9          Length:          2134
Score:                    39.00         Matches:         8
Percent Similarity:       83.33%        Conservative:    2
```

```
Best Local Similarity:  66.67%          Mismatches:     2
Query Match:            60.00%          Indels:         0
DB:                     2               Gaps:           0

US-09-856-070-19 (1-13) x US-08-483-151-3 (1-2134)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           |||||||:::  |||||||...  |||||||||||
Db     427 GAGGAGGTGGATGTGCGCGTGTTGGACTACGAGGAG 462

RESULT 9
PCT-US96-06427-3
; Sequence 3, Application PC/TUS9606427
;  GENERAL INFORMATION:
;    APPLICANT:  The General Hospital Corporation
;    TITLE OF INVENTION:  FUCOSYLTRANSFERASE GENES AND USES THEREOF
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/06427
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/483,151
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lech, Karen F.
;      REGISTRATION NUMBER:  35,238
;      REFERENCE/DOCKET NUMBER:  00786/278WO1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617/542-5070
;      TELEFAX:  617/542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2134 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
PCT-US96-06427-3

Alignment Scores:
Pred. No.:              68.9            Length:         2134
Score:                  39.00           Matches:        8
Percent Similarity:     83.33%          Conservative:   2
Best Local Similarity:  66.67%          Mismatches:     2
Query Match:            60.00%          Indels:         0
DB:                     5               Gaps:           0

US-09-856-070-19 (1-13) x PCT-US96-06427-3 (1-2134)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           |||||||:::  |||||||:::  |||||||||||
Db     427 GAGGAGGTGGATGTGCGCGTGTTGGACTACGAGGAG 462

RESULT 10
US-08-482-073-9
; Sequence 9, Application US/08482073
; Patent No. 6307025
;  GENERAL INFORMATION:
;    APPLICANT:  Hession, Catherine A.
;    APPLICANT:  Lobb, Roy R
;    APPLICANT:  Goelz, Susan E.
;    APPLICANT:  Osborn, Laurelee
;    APPLICANT:  Benjamin, Christopher D.
;    APPLICANT:  Rosa, Margaret D.
;    TITLE OF INVENTION:  ENDOTHELIAL CELL-LEUKOCYTE ADHESION
;    TITLE OF INVENTION:  MOLECULES (ELAMs) AND MOLECULES INVOLVED IN LEUKOCYTE
;    TITLE OF INVENTION:  ADHESION (MILAs)
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Neave
;      STREET:  1251 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10020
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,073
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,346
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/698298
;      FILING DATE:  31-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US 90/02357
;      FILING DATE:  27-APR-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/452675
;      FILING DATE:  18-DEC-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/359516
;      FILING DATE:  01-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/354151
;      FILING DATE:  28-APR-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haley Jr., James F.
;      REGISTRATION NUMBER:  27,794
;      REFERENCE/DOCKET NUMBER:  B124C1P4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 596-9000
;      TELEFAX:  (212) 596-9090
;      TELEX:  14-8367
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2175 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-482-073-9

Alignment Scores:
Pred. No.:              70.5            Length:         2175
Score:                  39.00           Matches:        8
Percent Similarity:     83.33%          Conservative:   2
Best Local Similarity:  66.67%          Mismatches:     2
Query Match:            60.00%          Indels:         0
DB:                     4               Gaps:           0

US-09-856-070-19 (1-13) x US-08-482-073-9 (1-2175)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           |||||||:::  |||||||:::  |||||||||||
Db     471 GAGGAGGTGGATGTGCGCGTGTTGGACTACGAGGAG 506
```

```
RESULT 11
US-08-482-073-10
; Sequence 10, Application US/08482073
; Patent No. 6307025
; GENERAL INFORMATION:
;    APPLICANT:  Hession, Catherine A.
;    APPLICANT:  Lobb, Roy R.
;    APPLICANT:  Goelz, Susan E.
;    APPLICANT:  Osborn, Laurelee
;    APPLICANT:  Benjamin, Christopher D.
;    APPLICANT:  Rosa, Margaret D.
;    TITLE OF INVENTION:  ENDOTHELIAL CELL-LEUKOCYTE ADHESION
;    TITLE OF INVENTION:  MOLECULES (ELAMs) AND MOLECULES INVOLVED IN LEUKOCYTE
;    TITLE OF INVENTION:  ADHESION (MILAs)
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Neave
;      STREET:  1251 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10020
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,073
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,336
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/608298
;      FILING DATE:  31-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/US 90/02357
;      FILING DATE:  27-APR-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/452675
;      FILING DATE:  18-DEC-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/359616
;      FILING DATE:  01-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/354151
;      FILING DATE:  28-APR-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haley Jr., James F.
;      REGISTRATION NUMBER:  27,794
;      REFERENCE/DOCKET NUMBER:  B124CIP4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 596-9000
;      TELEFAX:  (212) 596-9090
;      TELEX:  14-8367
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2861 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-482-073-10

Alignment Scores:
Pred. No.:                97.9            Length:          2861
Score:                    39.00           Matches:         8
Percent Similarity:       83.33%          Conservative:    2
Best Local Similarity:    66.67%          Mismatches:      2
Query Match:              60.00%          Indels:          0
DB:                       4               Gaps:            0

US-09-856-070-19 (1-13) x US-08-482-073-10 (1-2861)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           ||||||:::  |||||||:::  ||||||||||||
Db     954 GAGGAGGTGGATCTGCGCGTGTTGGACTACGAGGAG 989

RESULT 12
US-09-323-873A-6/c
; Sequence 6, Application US/09323873A
; Patent No. 6329503
; GENERAL INFORMATION:
;  APPLICANT: Daniel E. Atar
;  APPLICANT:  Rene S. Hubert
;  APPLICANT:  Kahan Leong
;  APPLICANT:  Arthur B. Raitano
;  APPLICANT:  Douglas C. Saffran
;  APPLICANT:  Steve Chappell Mitchell
;  TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
;  TITLE OF INVENTION:  EXPRESSED IN HUMAN CANCERS AND USES THEREOF
;  FILE REFERENCE: 129.160US02
;  CURRENT APPLICATION NUMBER: US/09/323,873A
;  CURRENT FILING DATE:  1999-06-01
;  PRIOR APPLICATION NUMBER: 60/087,520
;  PRIOR FILING DATE: 1998-06-01
;  PRIOR APPLICATION NUMBER: 60/091,183
;  PRIOR FILING DATE: 1998-06-30
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 3627
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
US-09-323-873A-6

Alignment Scores:
Pred. No.:                130             Length:          3627
Score:                    39.00           Matches:         7
Percent Similarity:       84.62%          Conservative:    4
Best Local Similarity:    53.85%          Mismatches:      2
Query Match:              60.00%          Indels:          0
DB:                       4               Gaps:            0

US-09-856-070-19 (1-13) x US-09-323-873A-6 (1-3627)

Qy       1 CysGluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           |||  |||:::::|||:::|||||||:::|||  |||
Db    1728 AAATCTGAGATAGTTTTAAAATTACAAGAATATTTAGAA 1690

RESULT 13
US-07-914-281-7
; Sequence 7, Application US/07914281
; Patent No. 5324663
; GENERAL INFORMATION:
;    APPLICANT:  LOWE, JOHN B.
;    TITLE OF INVENTION:  METHODS AND PRODUCTS FOR THE SYNTHESIS
;    TITLE OF INVENTION:  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;    TITLE OF INVENTION:  GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;    TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 Jefferson Davis Highway, Fourth Floor
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/914,281
```

```
;       FILING DATE:  19920720
;       CLASSIFICATION:  530
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lavalleye, Jean Paul M. P.
;       REGISTRATION NUMBER:  31,451
;       REFERENCE/DOCKET NUMBER:  2363-060-55
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703)521-4500
;       TELEFAX:  (703)486-2347
;       TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3647 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
;     ANTI-SENSE:  NO
US-07-914-281-7

Alignment Scores:
Pred. No.:                131             Length:         3647
Score:                    39.00           Matches:        8
Percent Similarity:       83.33%          Conservative:   2
Best Local Similarity:    66.67%          Mismatches:     2
Query Match:              60.00%          Indels:         0
DB:                       1               Gaps:           0

US-09-856-070-19 (1-13) x US-07-914-281-7 (1-3647)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           ||||||:::  ||||||:::  ||||||||||||
Db    2347 GACGAGCTGCATCTGCGGCTGCAGGACTACGAGGAG 2382

RESULT 14
US-08-393-246-7
; Sequence 7, Application US/08393246
; Patent No. 5595900
;  GENERAL INFORMATION:
;     APPLICANT:  LOWE, JOHN B
;     TITLE OF INVENTION:  METHODS AND PRODUCTS FOR THE SYNTHESIS
;     TITLE OF INVENTION:  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;     TITLE OF INVENTION:  GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;     TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
;     NUMBER OF SEQUENCES:  14
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;       ADDRESSEE:  P.C.
;       STREET:  1755 Jefferson Davis Highway, Fourth Floor
;       CITY:  Arlington
;       STATE:  Virginia
;       COUNTRY:  U.S.A.
;       ZIP:  22202
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/393,246
;       FILING DATE:
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/220,433
;       FILING DATE:  30-MAR-1994
;       APPLICATION NUMBER:  US 07/914,281
;       FILING DATE:  20-JUL-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lavalleye, Jean-Paul M. P.
;       REGISTRATION NUMBER:  31,451
;       REFERENCE/DOCKET NUMBER:  2363-060-55
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703)521-4500
;       TELEFAX:  (703)486-2347
;       TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3647 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
;     ANTI-SENSE:  NO
US-08-393-246-7

Alignment Scores:
Pred. No.:                131             Length:         3647
Score:                    39.00           Matches:        8
Percent Similarity:       83.33%          Conservative:   2
Best Local Similarity:    66.67%          Mismatches:     2
Query Match:              60.00%          Indels:         0
DB:                       1               Gaps:           0

US-09-856-070-19 (1-13) x US-08-393-246-7 (1-3647)

Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           ||||||:::  ||||||:::  ||||||||||||
Db    2347 GACGAGCTGCATCTGCGGCTGCAGGACTACGAGGAG 2382

RESULT 15
US-08-525-058A-7
; Sequence 7, Application US/08525058A
; Patent No. 5770420
;  GENERAL INFORMATION:
;     APPLICANT:  LOWE, JOHN B.
;     TITLE OF INVENTION:  METHODS AND PRODUCTS FOR THE SYNTHESIS
;     TITLE OF INVENTION:  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
;     TITLE OF INVENTION:  GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
;     TITLE OF INVENTION:  OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
;     NUMBER OF SEQUENCES:  23
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
;       STREET:  1755 Jefferson Davis Highway, Fourth Floor
;       CITY:  Arlington
;       STATE:  Virginia
;       COUNTRY:  U.S.A.
;       ZIP:  22202
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/525,058A
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lavalleye, Jean-Paul M. P.
;       REGISTRATION NUMBER:  31,451
;       REFERENCE/DOCKET NUMBER:  2363-060-55
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (703)521-4500
;       TELEFAX:  (703)486-2347
;       TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  3647 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     ANTI-SENSE:  NO
US-08-525-058A-7

Alignment Scores:
Pred. No.:                131             Length:         3647
```

Score:	49.00	Matches:	8
Percent Similarity:	88.88%	Conservative:	2
Best Local Similarity:	66.67%	Mismatches:	2
Query Match:	60.00%	Indels:	0
DB:	1	Gaps:	0

US-09-856-070-19 (1-13) x US-08-525-058A-7 (1-3647)

```
Qy       2 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
           ||||||:::  ||||||:::  ||||||||||||
Db    2447 GAGGAGCTGGATCTGCGGCTGCAGGACTACGAGGAG 2382
```

Search completed: January 16, 2003, 21:41:26
Job time : 47.5714 secs